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Bicycle and Pedestrian Program

Collision Analysis
2003 1st Quarter Report
Rev. 2

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Background and Introduction

To evaluate Traffic Collisions, the City of San José's Department of Transportation (DOT) obtains copies of Traffic Collision Reports (TCR) occurring in San Jose, which are prepared by the San Jose Police Department (SJPD) at the time of the collision. DOT then collects basic collision data using proprietary software called Traffic Accident Prevention System (TAPS). DOT staff enters approximately 14,000 TCR's into TAPS each year.

The City of San José Bicycle Pedestrian Program provides additional analysis of all TCR's involving bicyclists or pedestrians. This analysis is summarized and submitted by DOT staff for review by the City of San José's Bicycle Pedestrian Advisory Committee (BPAC).

Collisions are classified based on a system of assigning the party more legally at fault with one of a few crash types. The 2002 California Vehicle Code was referenced in regards to assigning fault in each collision.

Attached is the report for bicycle or pedestrian collisions that occurred during the first quarter of 2003.

BICYCLE COLLISION DATA

- In the first quarter of 2003, there were 78 bicycle collisions[1].
- 11 Hit and Run collisions (8 drivers and 3 bicyclists fled scene)[2].

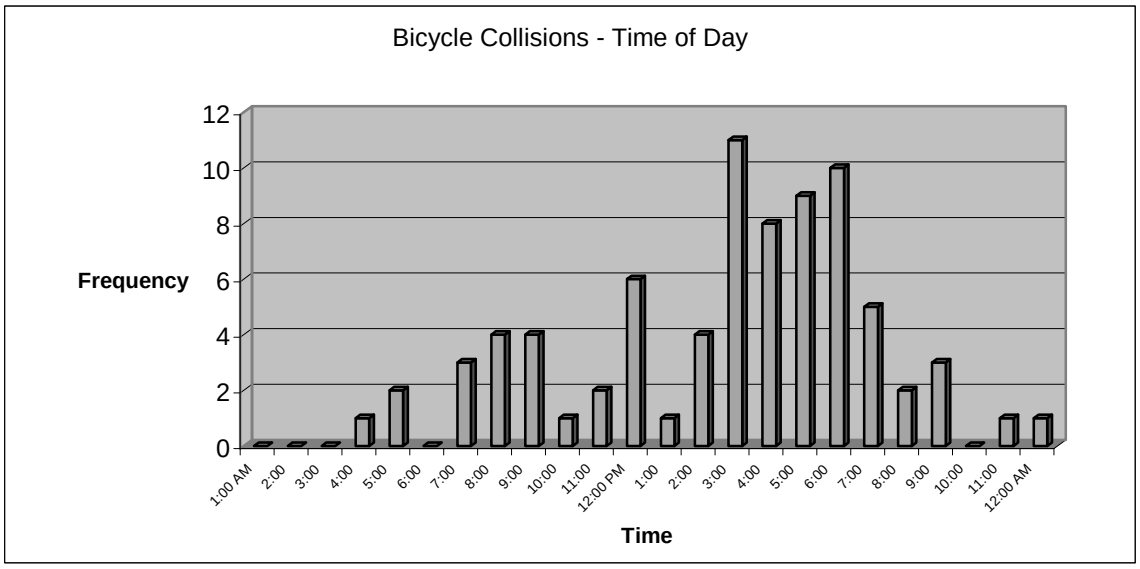

figure 1.1[3]

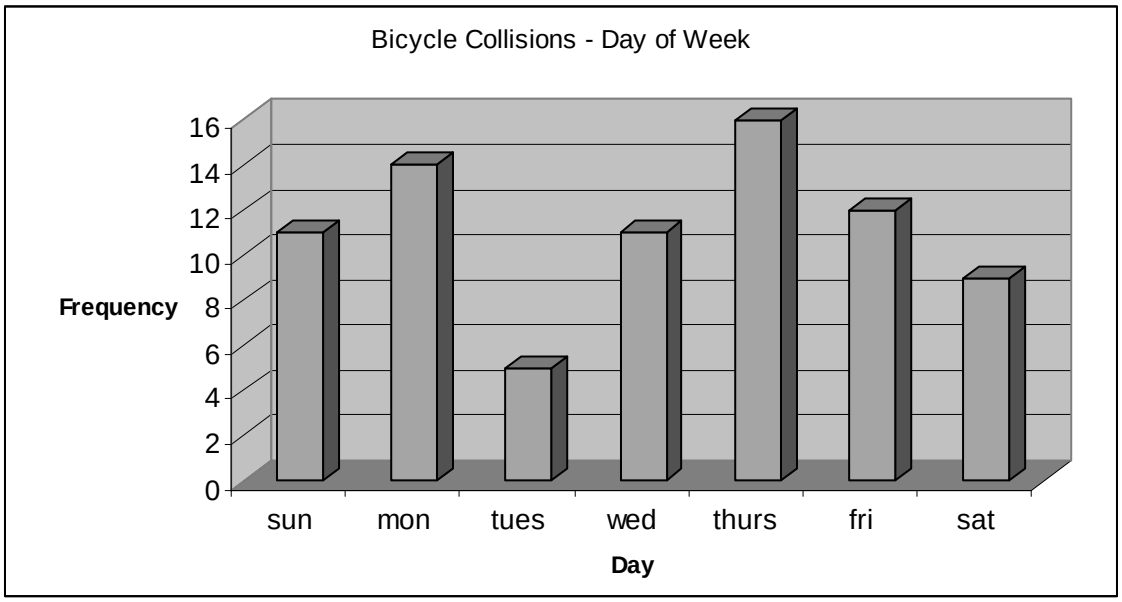

figure 1.2

[1] Data as of 5/9/2003. Note that crash data may change slightly as a result of late reports and changing medical conditions.
[2] Legally, fleeing the scene does not necessarily render a Party at Fault.
[3] Figures represent data for specific queries. However, some queries involve data that may not be present in all TCR's. This accounts for the discrepancies in numbers as queries become more extensive.

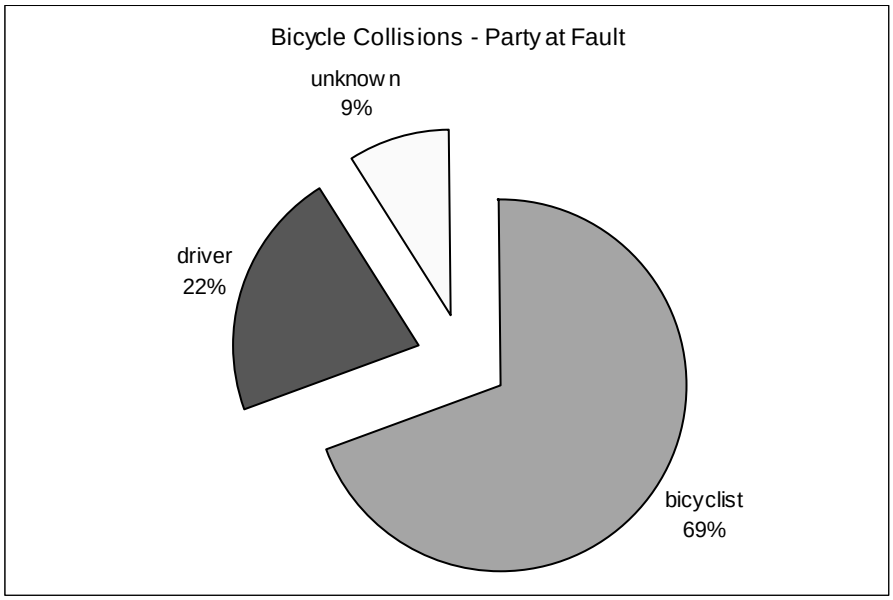

figure 1.3 (see table 1.1)

Bicycle Collisions - Party at Fault		
primary		**71**
	bicyclist	*54*
	driver	*17*
unknown		**7**
total		**78**

table 1.1

Bicyclist at Fault

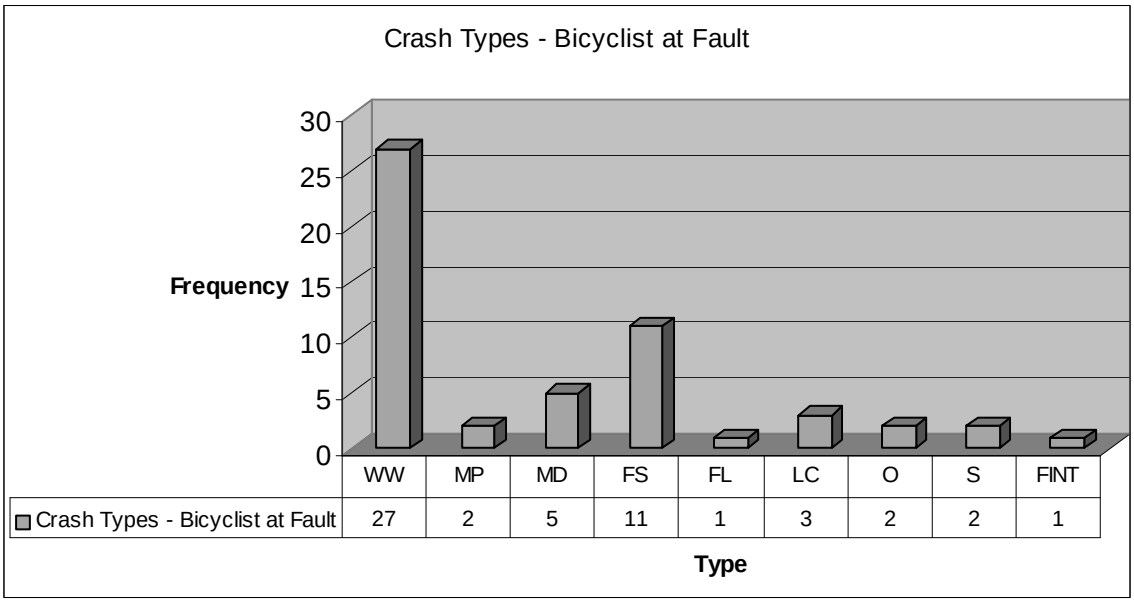

figure 1.4

Crash Type Abbreviations and Descriptions

WW	*Wrong Way* : Bicyclist riding on wrong side of roadway.
MP	*Mid-Block Pull-Out* : Bicyclist riding from driveway onto roadway.
MD	*Mid-Block Dash* : Bicyclist attempts to cross roadway when unsafe to do so at a mid-block location.
FS	*Failure to Yield, Stop Sign/Signal* : Bicyclist does not stop at stop sign or crosses a roadway against the signal.
FL	*Failure to Yield, Left Turn* : Bicyclist making a left turn does not yield to oncoming traffic.
LC	*Lane Change* : Bicyclist changes lane in an unsafe manner.
S	*Solo* : Accident involving a bicyclist only.
FINT	*Failure to Yield in Intersection* : Bicyclist does not yield to a driver in the intersection, not defined by FR or FL.
O	*Other* : Crash type not defined by any of the types above (eg. Faulty bike components, towed by vehicle, jumping off curb into oncoming traffic).

Driver at Fault

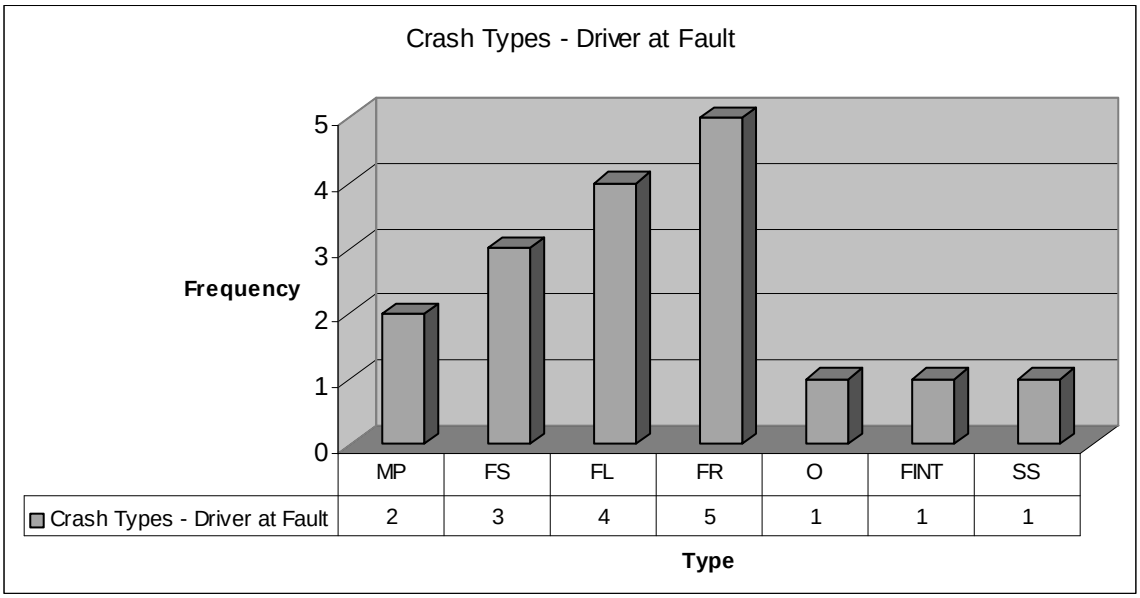

figure 1.5

Crash Type Abbreviations and Descriptions

MP *Mid-Block Pull-In/Out* : Driver pulls into or out of driveway.

FS *Failure to Yield, Stop Sign/Signal* : Driver does not stop at stop sign or crosses a roadway against the signal.

FL *Failure to Yield, Left Turn* : Driver making a left turn does not yield to bicyclist.

FR *Failure to Yield, Right Turn* : Driver making a right turn does not yield to bicyclist.

FINT *Failure to Yield in Intersection* : Driver does not yield to bicyclist in the intersection, not defined by FR or FL.

O *Other* : Crash type not defined by any of the types above (eg. Speeding, opened car door, rear end bicycle).

SS *Sideswipe*: Driver drives too close to bicyclist and hits bicyclist usually with side view mirror.

Age of Bicyclist at Fault

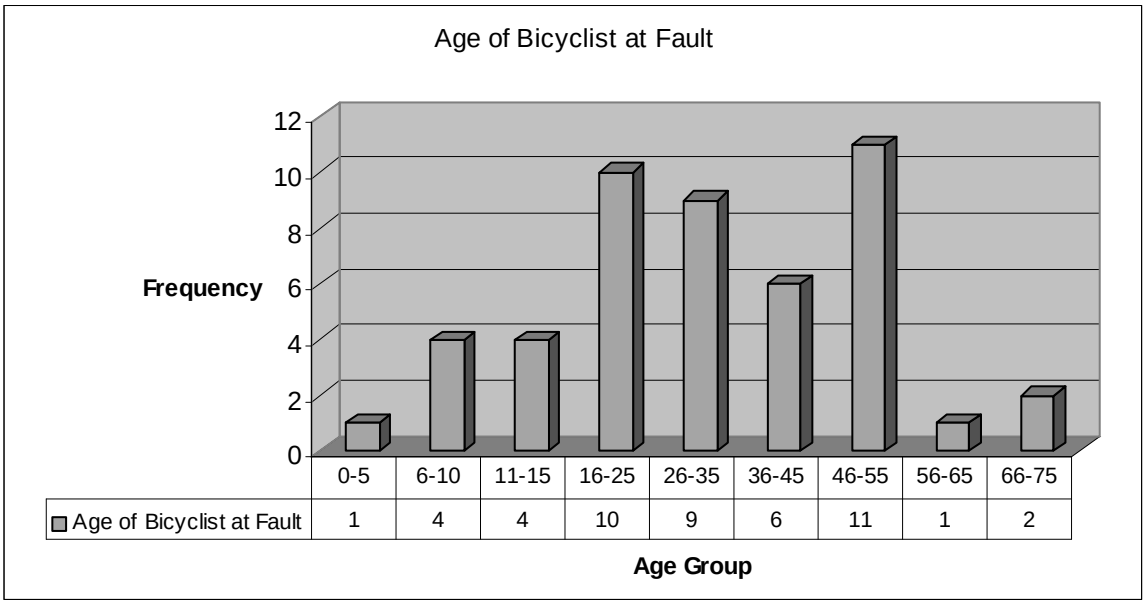

figure 1.6[4]

Age of Driver at Fault

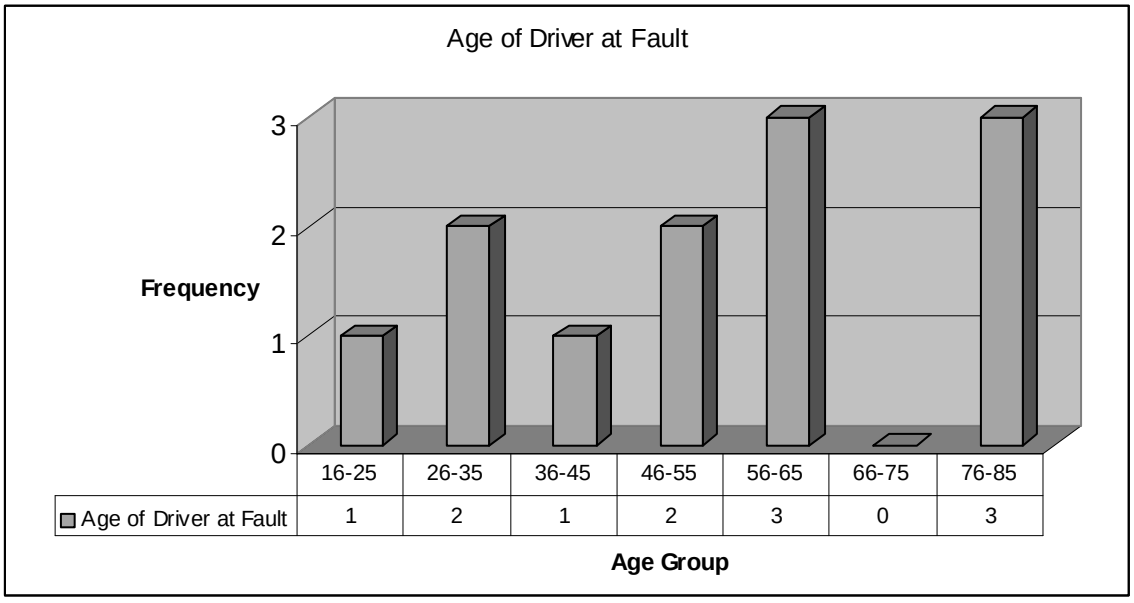

figure 1.7

[4] Age intervals for juveniles were set smaller for the purpose of observing juvenile decision-making on the roadway.

II. PEDESTRIAN COLLISION DATA

- In the first quarter of 2003, there were 104 pedestrian collisions (4 fatal)[5].
- 25 Hit and Run Collisions (25 Drivers Fled Scene).

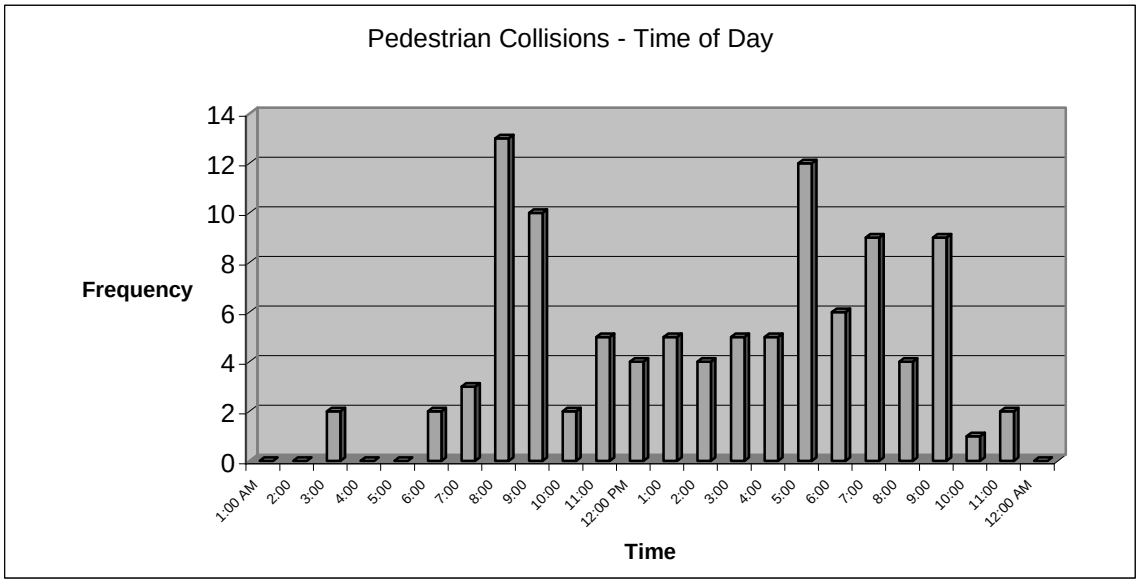

figure 2.1

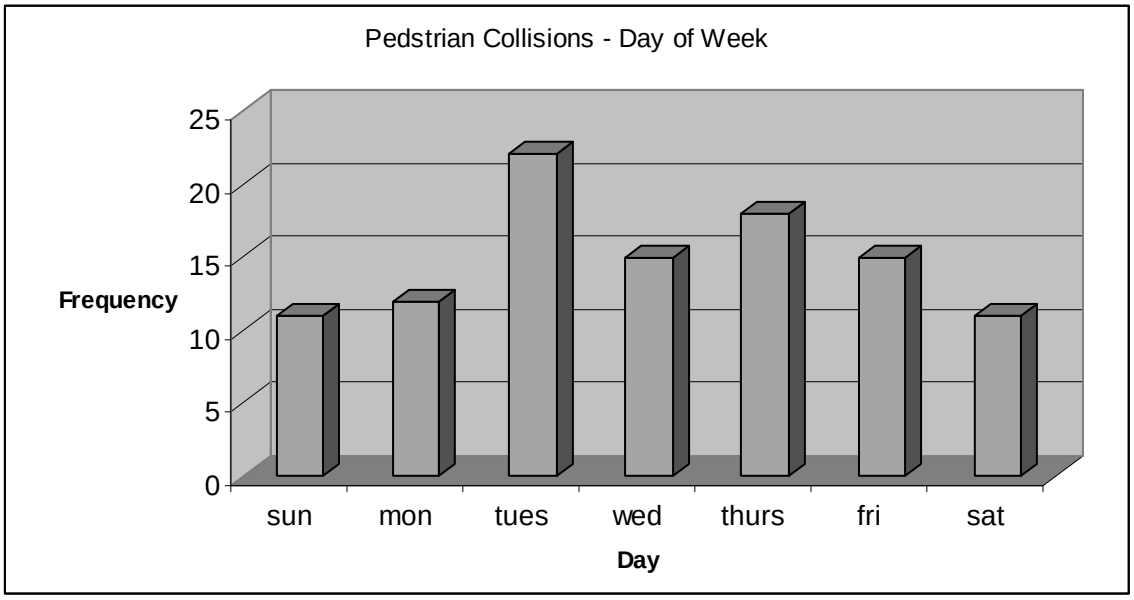

figure 2.2

[5] Data as of 5/9/2003.

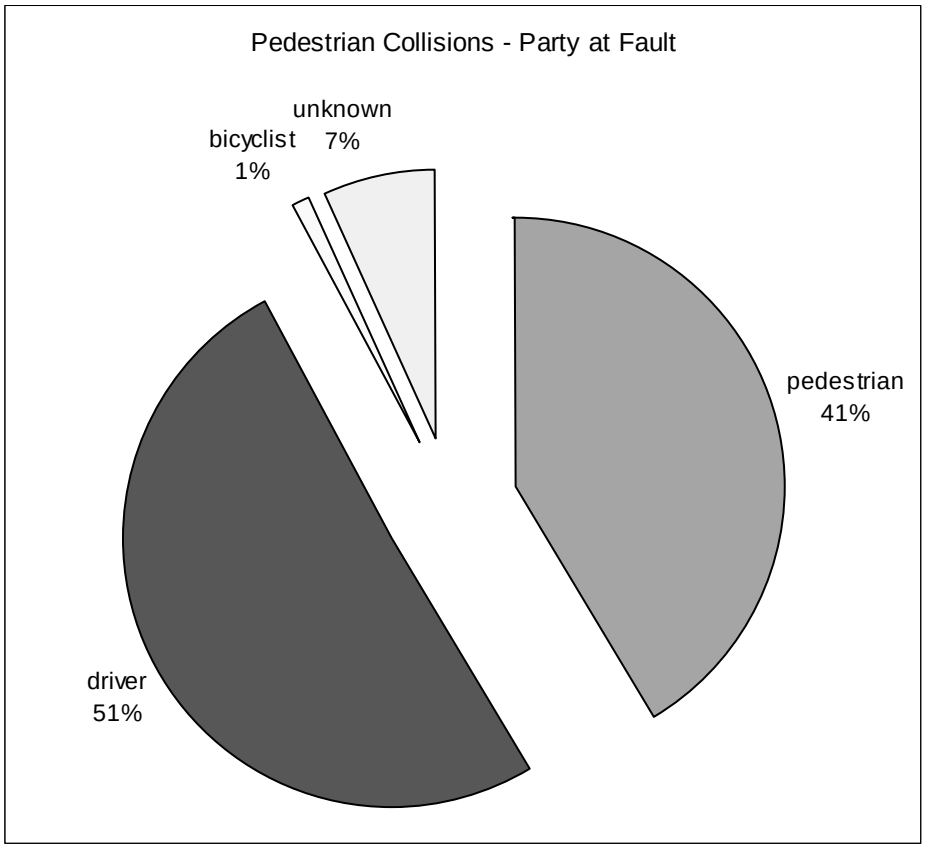

figure 2.3 (see table 2.1)

Pedestrian Collisions - Party at Fault		
primary		**97**
	pedestrian	*43*
	driver	*53*
	bicyclist	*1*
unknown		**7**
total		**104**

table 2.1

Pedestrian at Fault

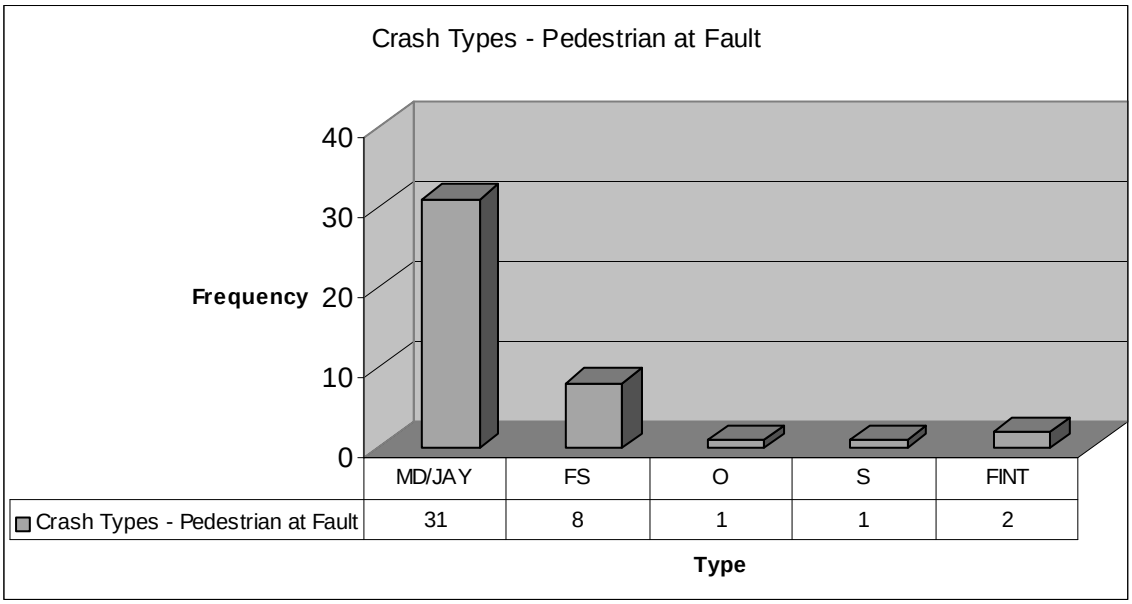

figure 2.4

Crash Type Abbreviations and Descriptions

MD/JAY *Mid-Block Dash/Jaywalking* : Pedestrian crosses a roadway at mid-block and in a non-crosswalk.

FS *Failure to Yield, Stop Sign/Signal* : Pedestrian crosses a roadway against the signal

FINT *Failure to Yield in Intersection* : Pedestrian does not yield to a driver in the intersection.

O *Other* : Crash type not defined by any of the types above.

S *Solo* : Accident involving a pedestrian only.

Driver at Fault

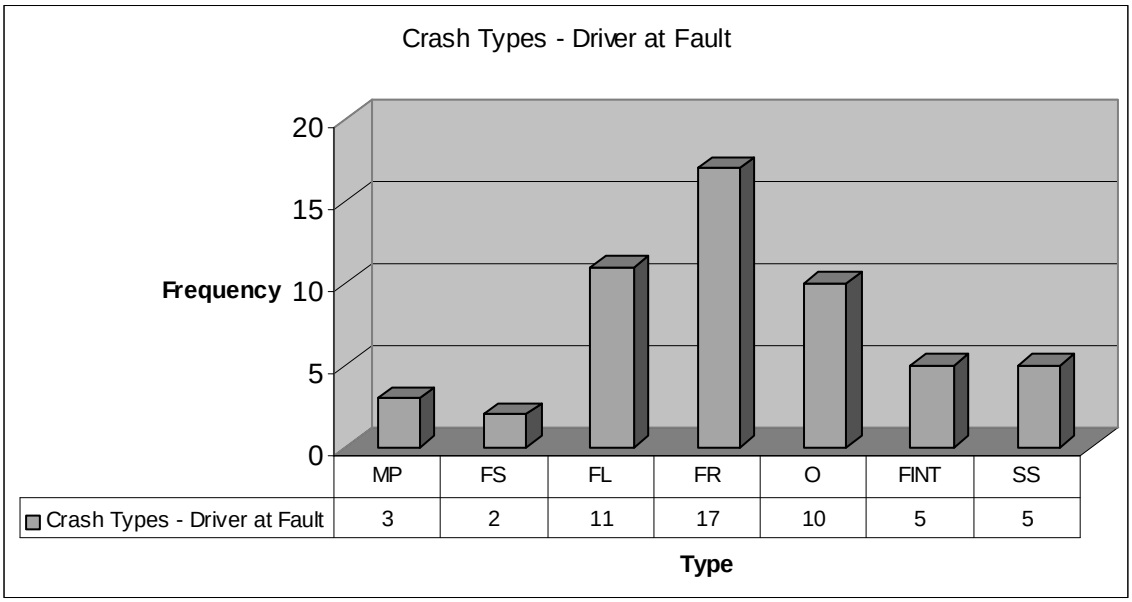

figure 2.5

Crash Type Abbreviations and Descriptions

MP	*Mid-Block Pull-In/Out* : Driver pulls into or out of driveway.
FS	*Failure to Yield, Stop Sign/Signal* : Driver does not stop at stop sign or crosses a roadway against the signal.
FL	*Failure to Yield, Left Turn* : Driver making a left turn does not yield to pedestrian.
FR	*Failure to Yield, Right Turn* : Driver making a right turn does not yield to pedestrian.
FINT	*Failure to Yield in Intersection* : Driver does not yield to a pedestrian in the intersection.
O	*Other* : Crash type not defined by any of the types above.
SS	*Sideswipe*: Driver drives too close to bicyclist and hits pedestrian usually with side view mirror.

Age of Pedestrian at Fault

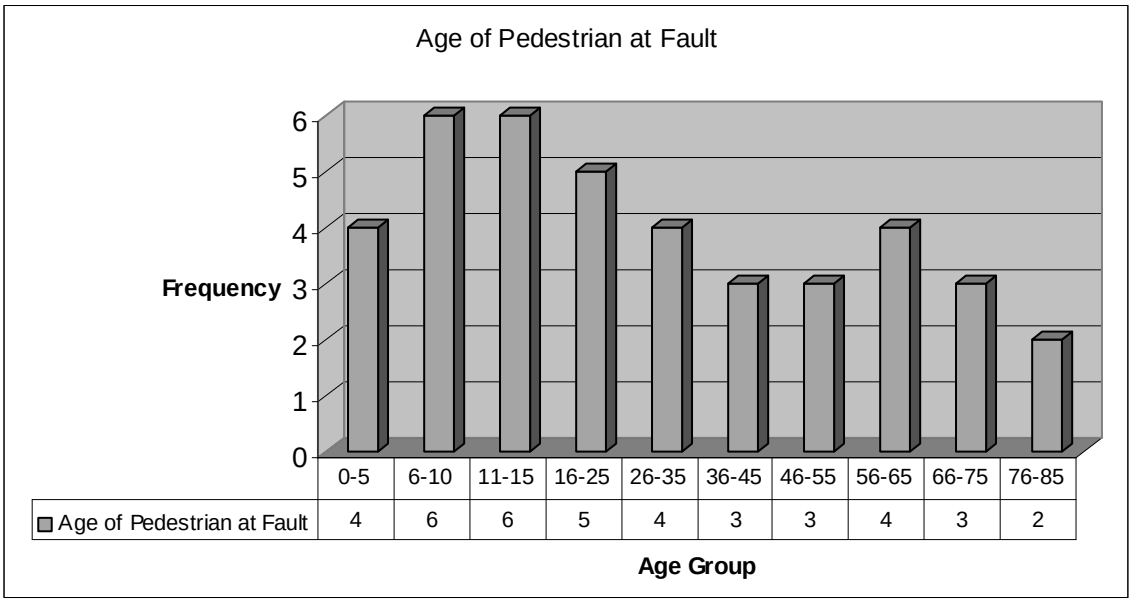

figure 2.6

Age of Driver at Fault

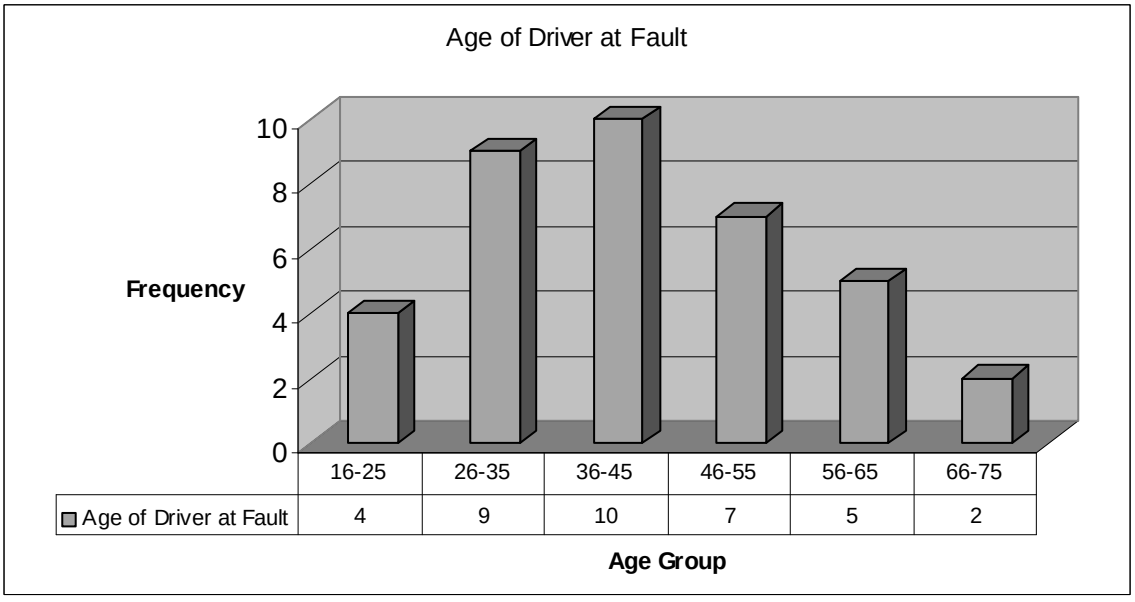

figure 2.7